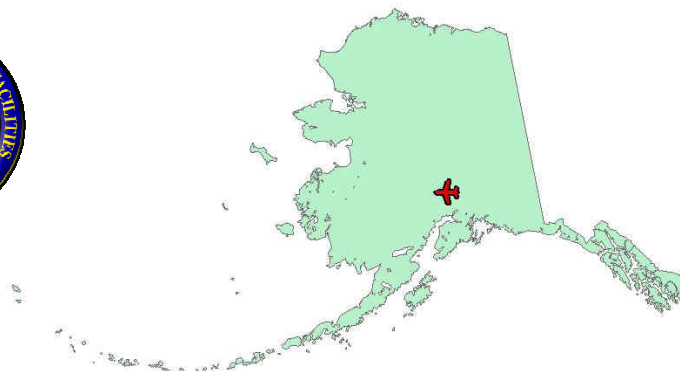




TALKEETNA AIRPORT



2004 Alaska Airport Pavement Condition Report

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Maps and report compiled by
 H. June Finkbiner
 Central Region Materials, Alaska DOT&PF

TALKEETNA AIRPORT - 2004

Contents:

- A Pavement Strength Form showing project history, latest Pavement Condition Index (PCI) data, pavement strength ratings (if available) and other useful information
- A Pavement Condition Survey – PCI Sample Unit Layout Plan
- PCI maps showing as-measured and predicted pavement conditions
- Age map showing pavement age as of January 2004
- A Branch PCI Condition Report
- A Section PCI Condition Report

Airport Information:

- Location:
The Talkeetna Airport is located approximately 1 mile east of the Talkeetna, Alaska in South Central Alaska. The airport is approximately 115 air miles north of Anchorage.
- District: Mat-Su, South Central
- Airport Manager: Steve Hanson
- District Maintenance Manager: Kurt Devon
- Pavement Surface:
There are over 690,000 square feet of asphalt concrete paved surfaces at the Talkeetna Airport.
- Last Pavement Construction: 1988
- Pavement layout:
The airport consists of Runway 18-36, four Taxiways, and an Apron. Taxiways A, B, and D were constructed and paved in 1996. At that time, Taxiway A was made into a full-length parallel taxiway. The rest of the airport paving was constructed in 1988.
- Design Aircraft:
- 2003 Enplanements: 21 – down from 93 in 2002.
- Airport Class: Non-Primary
- Last pavement condition survey: 2004
conducted by Angela Parsons and Roy Stover of Central Region Materials
- Next planned pavement condition survey: 2007
- 2004 reported pavement maintenance and/or changed conditions:
Crack sealed, edge repairs need on runway and an area approximately 50' x 75' is settled on the west end of the Ramp.
- Recommendations: See PCI maps

Date: 12 /15/2004

Branch Condition Report

1 of 2

Pavement Database: NetworkID: Talkeetna

Branch ID	Number of Sections	Sum Section Length (Ft)	Avg Section Width (Ft)	True Area (SqFt)	Use	Average PCI	PCI Standard Deviation	Weighted Average PCI
100 (Taxiway A)	4	3540.50	57.50	132841.50	TAXIWAY	69.00	11.55	77.83
200 (Taxiway B)	1	185.00	35.00	8750.00	TAXIWAY	73.00	0.00	73.00
300 (Taxiway C)	1	286.50	40.00	32000.00	TAXIWAY	63.00	0.00	63.00
400 (Taxiway D)	1	185.00	35.00	8750.00	TAXIWAY	62.00	0.00	62.00
4100 (WEST APRON)	2	2485.00	127.50	235810.00	APRON	63.50	3.50	63.04
6100 (Runway 18-36)	1	3500.00	75.00	262500.01	RUNWAY	58.00	0.00	58.00

Date: 12 /15/2004

Branch Condition Report

2 of 2

Pavement Database:

Use Category	Number of Sections	Total Area (SqFt)	Arithmetic Average PCI	Average PCI STD.	Weighted Average PCI
APRON	2	235810.00	63.50	3.50	63.04
RUNWAY	1	262500.01	58.00	0.00	58.00
TAXIWAY	7	182341.50	67.71	9.44	74.24
All	10	680651.51	65.90	8.63	64.10

Date: 12 /15/2004

Section Condition Report

1 of 2

Pavement Database: NetworkID: Talkeetna

Branch ID	Section ID	Last Const. Date	Surface	Use	Rank	Lanes	True Area (SqFt)	Last Inspection Date	Age At Inspection	PCI
100 (Taxiway A)	100-01	07/01/1988	AC	TAXIWAY	P	1	6537.00	06/09/2004	16	53.00
100 (Taxiway A)	100-02	08/15/1997	AC	TAXIWAY	P	1	50737.50	06/09/2004	7	80.00
100 (Taxiway A)	100-03	08/15/1997	AC	TAXIWAY	P	1	69030.00	06/09/2004	7	80.00
100 (Taxiway A)	100-04	07/01/1988	AC	TAXIWAY	P	1	6537.00	06/09/2004	16	63.00
200 (Taxiway B)	200-01	08/15/1997	AC	TAXIWAY	S	1	8750.00	06/09/2004	7	73.00
300 (Taxiway C)	300-01	07/01/1988	AC	TAXIWAY	P	2	32000.00	06/09/2004	16	63.00
400 (Taxiway D)	400-01	08/15/1997	AC	TAXIWAY	S	1	8750.00	06/09/2004	7	62.00
4100 (WEST APRON)	4100-01	07/01/1988	AC	APRON	P	0	102410.00	06/09/2004	16	67.00
4100 (WEST APRON)	4100-02	07/01/1988	AC	APRON	S	0	133400.00	06/09/2004	16	60.00
6100 (Runway 18-36)	6100-01	07/01/1988	AC	RUNWAY	P	0	262500.01	06/09/2004	16	58.00

Date: 12 /15/2004

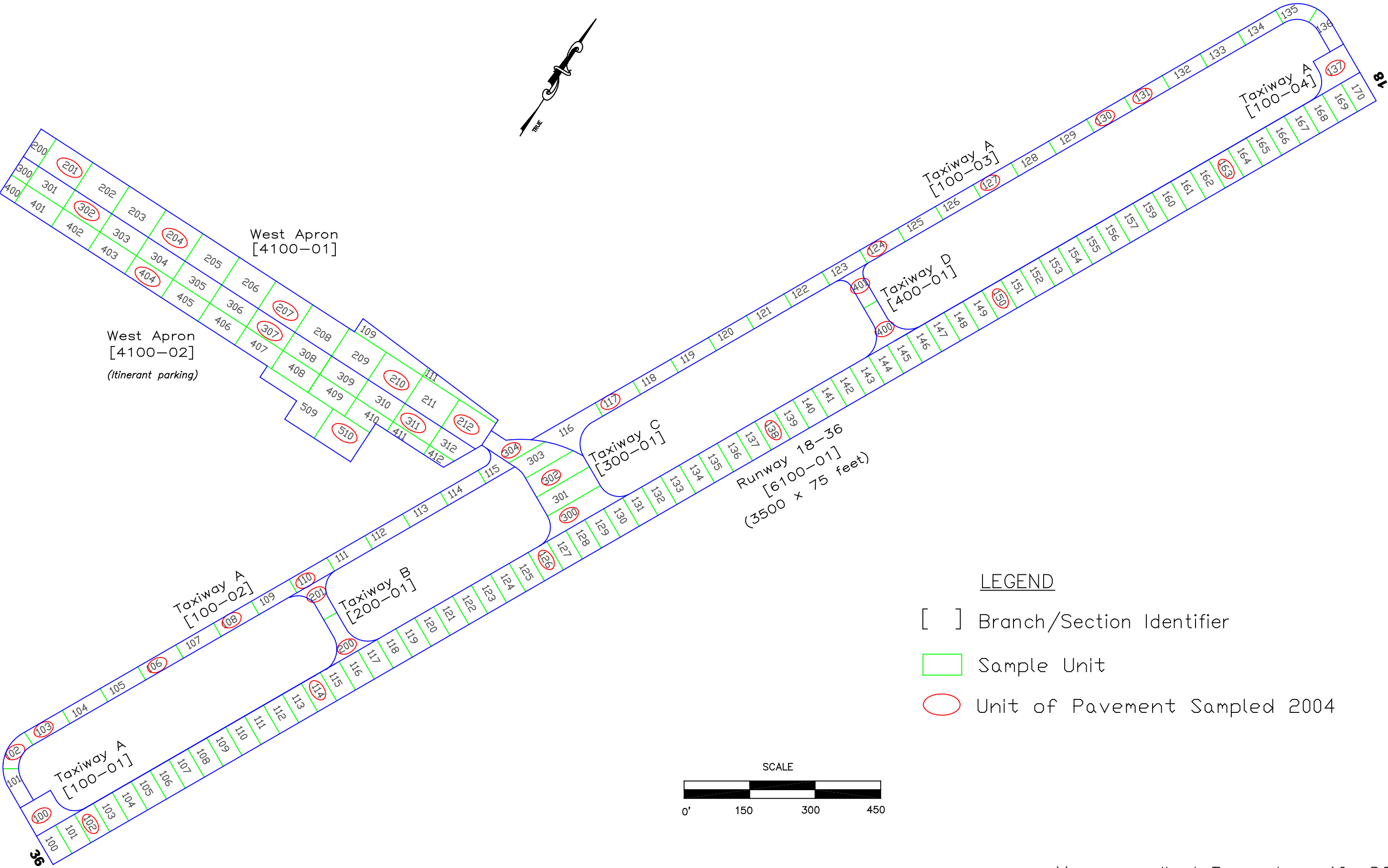
Section Condition Report

2 of 2

Pavement Database:

Age Category	Average Age At Inspection	Total Area (SqFt)	Number of Sections	Arithmetic Average PCI	PCI Standard Deviation	Weighted Average PCI
06-10	7.00	137267.50	4	73.75	7.36	78.41
16-20	16.00	543384.01	6	60.67	4.42	60.48
All	12.40	680651.51	10	65.90	8.63	64.10

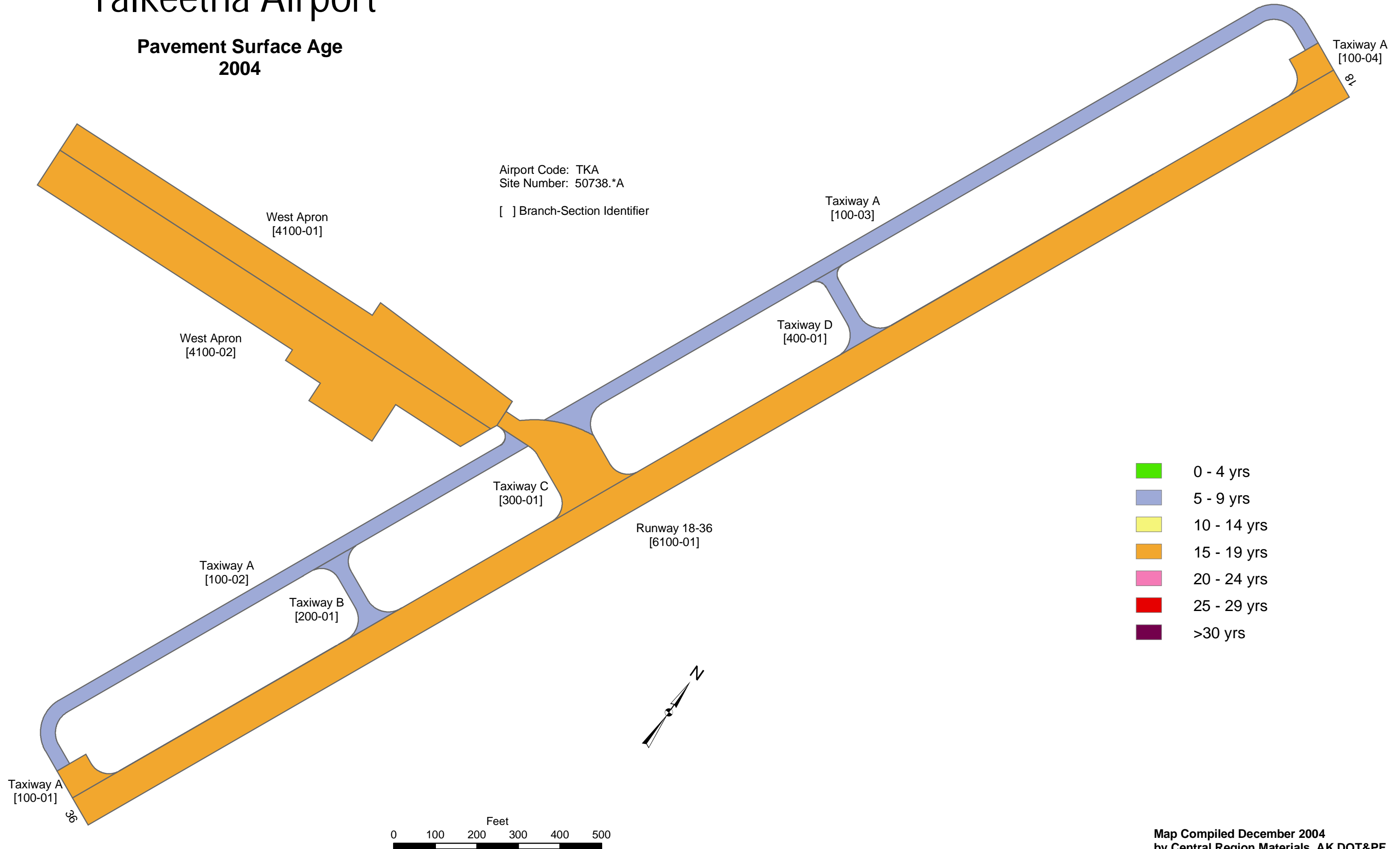
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- LEGEND
- [] Branch/Section Identifier
 - Sample Unit
 - Unit of Pavement Sampled 2004

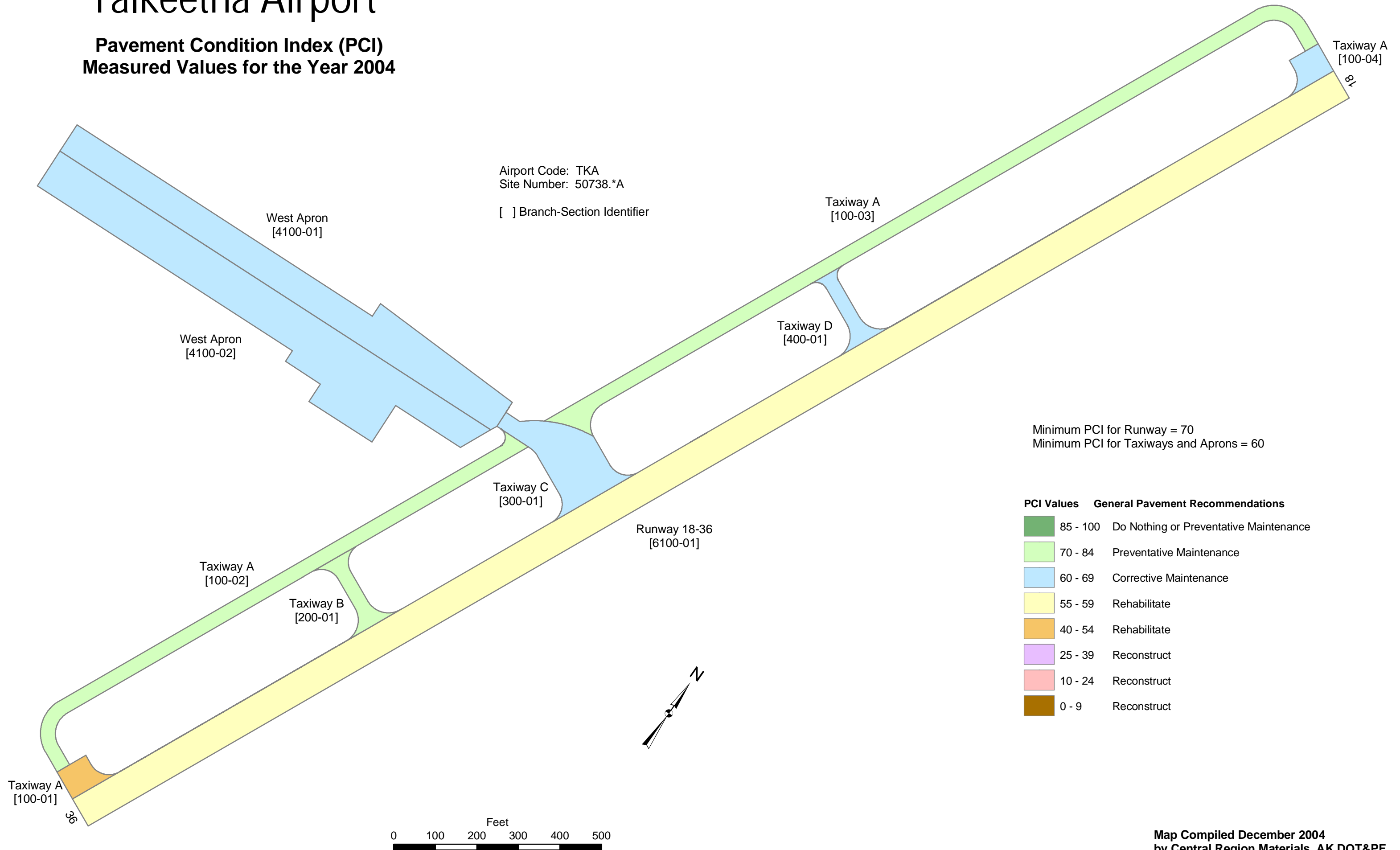
Talkeetna Airport

**Pavement Surface Age
2004**



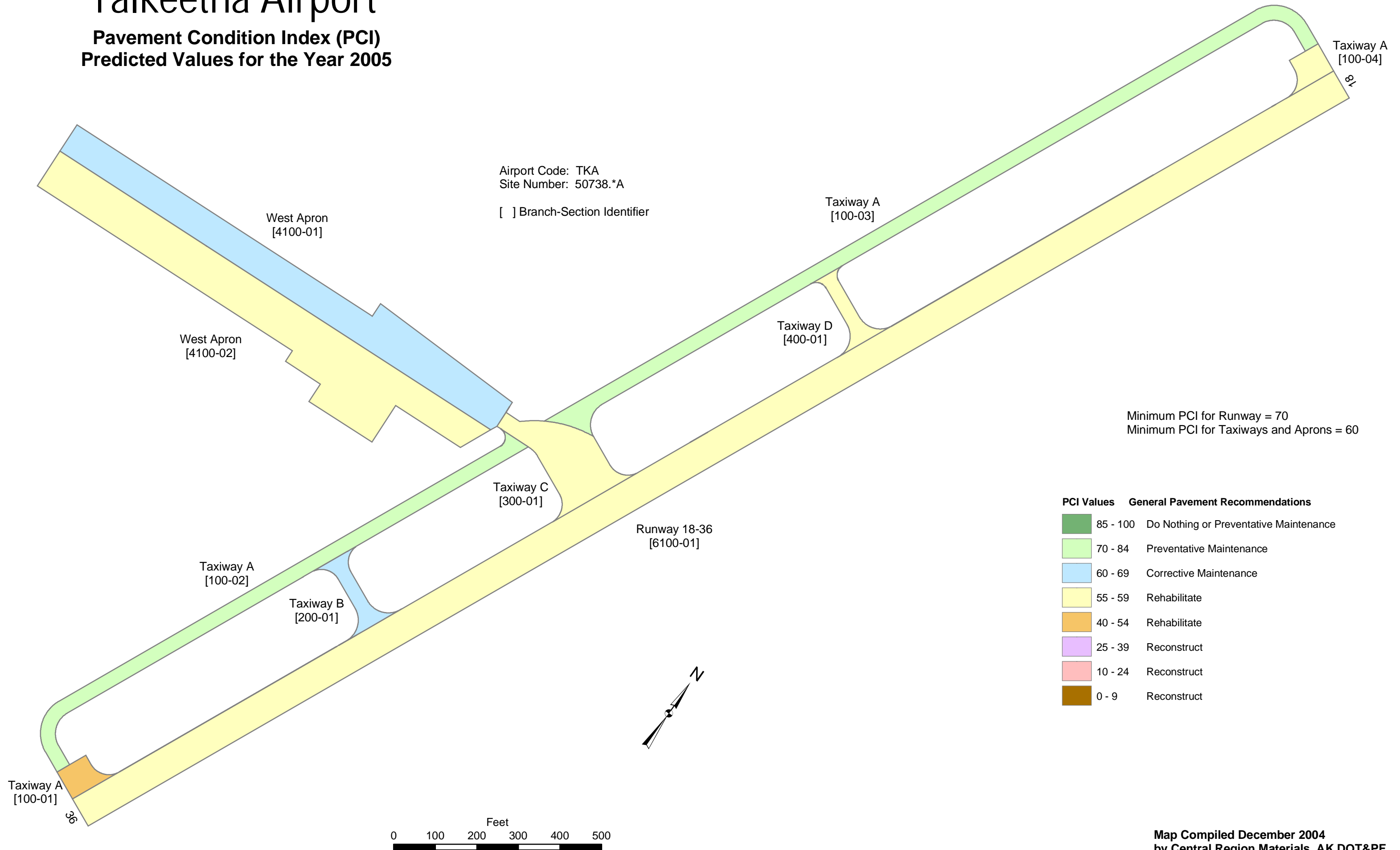
Talkeetna Airport

Pavement Condition Index (PCI) Measured Values for the Year 2004



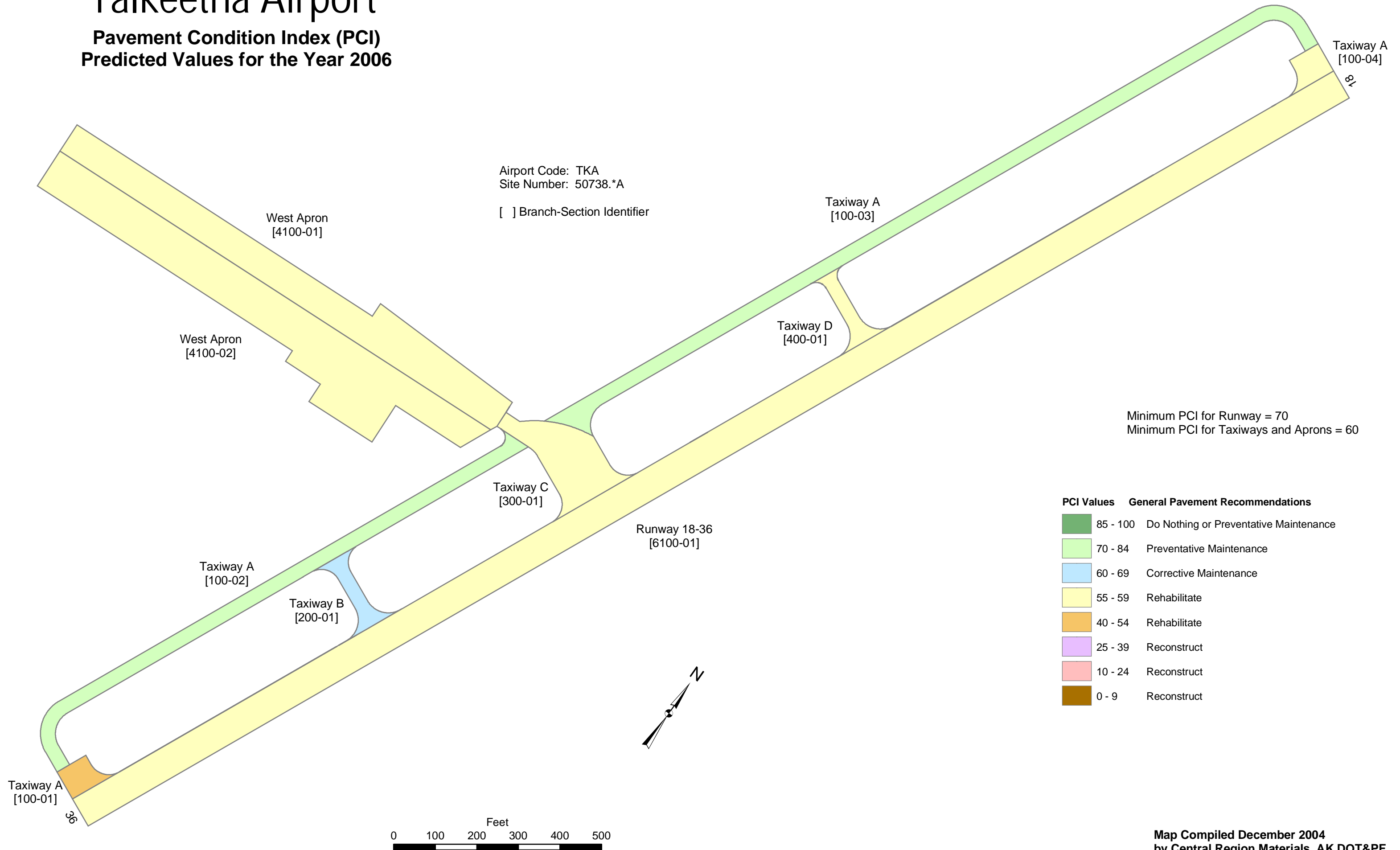
Talkeetna Airport

Pavement Condition Index (PCI)
Predicted Values for the Year 2005



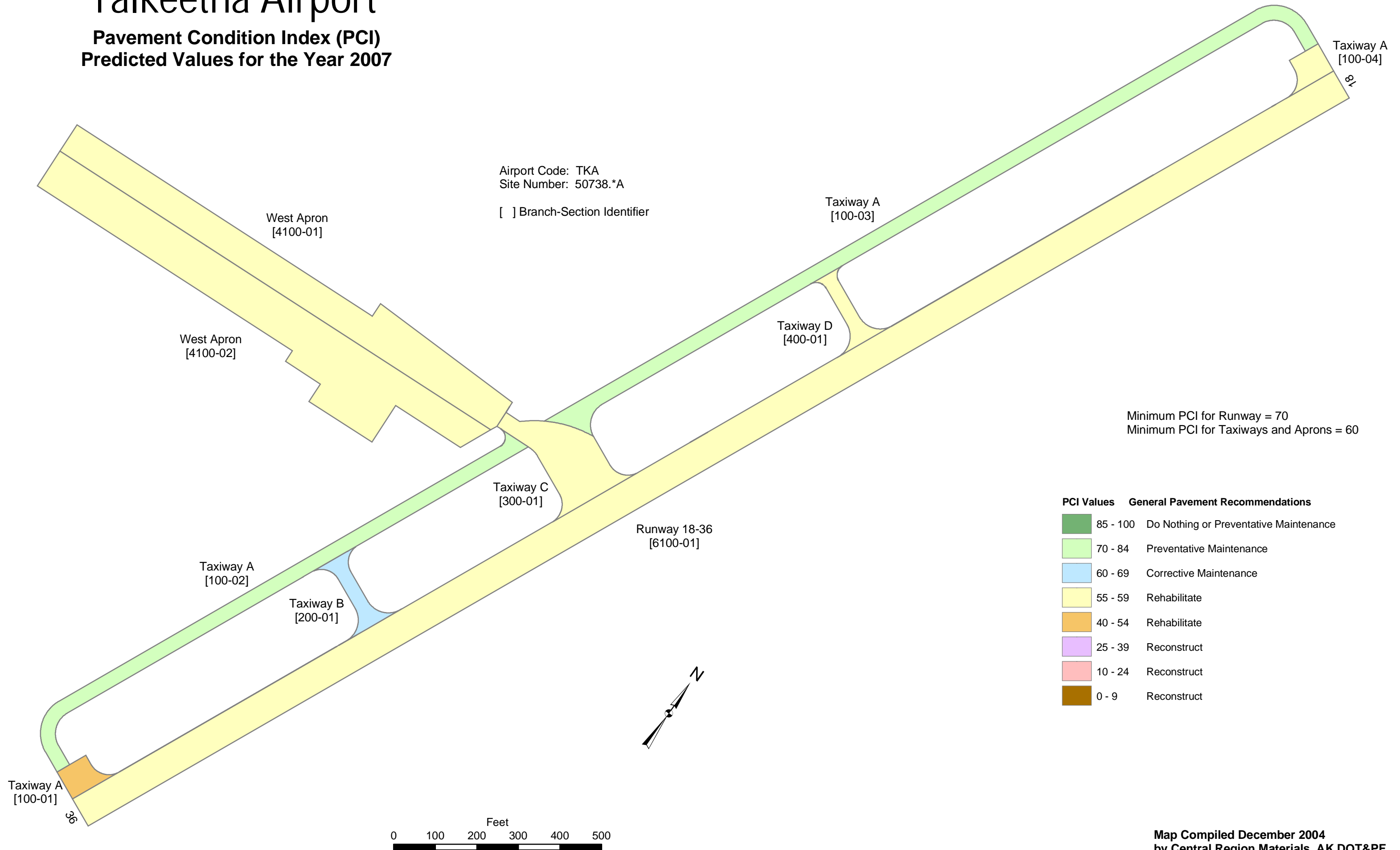
Talkeetna Airport

Pavement Condition Index (PCI)
Predicted Values for the Year 2006



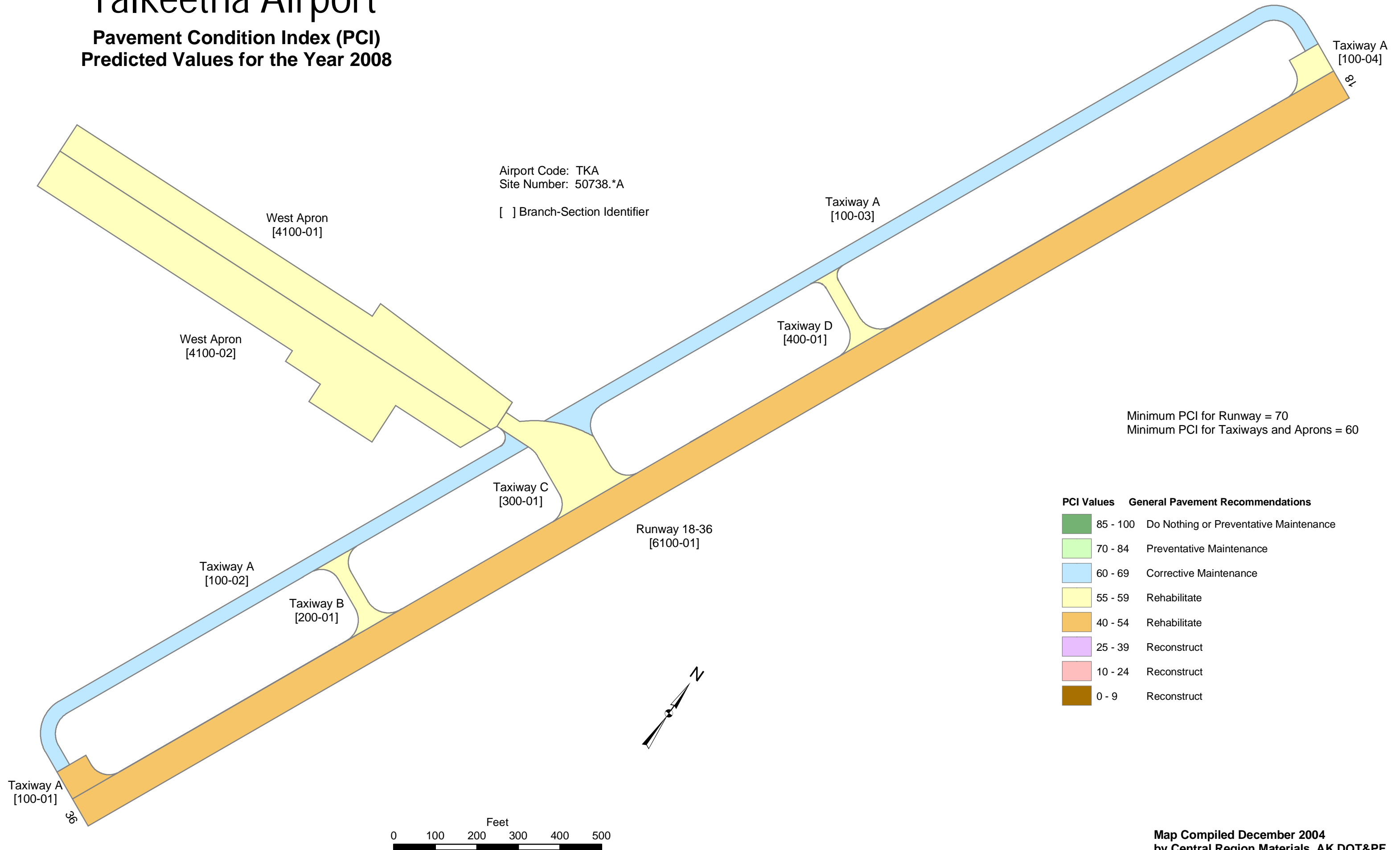
Talkeetna Airport

Pavement Condition Index (PCI)
Predicted Values for the Year 2007



Talkeetna Airport

**Pavement Condition Index (PCI)
Predicted Values for the Year 2008**



Talkeetna Airport

Pavement Condition Index (PCI)
Predicted Values for the Year 2009

